Always there to help you

Register your product and get support at
www.philips.com/support

AE5250

Question? Contact Philips

User manual

PHILIPS

Contents

1 Important 3
Safety 3

2 Your FM/DAB radio 4
Introduction 4
What's in the box 4
Overview of the main unit 5

3 Get started 6
Place the radio 6
Prepare FM/DAB antenna 6
Connect power 6
Turn on 7
Adjust the volume level 7

4 Listen to FM radio 8
Tune to FM radio 8
Store FM stations manually 8
Select a preset FM radio station 8
Use FM menu 8

5 Listen to DAB radio 9
Tune to DAB radio 9
Change DAB station 9
Scan DAB radio stations 9
Display station information 9
Store DAB stations manually 10
Select a preset DAB radio station 10
Use DAB menu 10

6 Product information 12
Tuner (FM) 12
Tuner (DAB) 12
General information 12

7 Notice 13

8 Troubleshooting 14

9 About DAB 15

1 Important

Safety

Hearing safety

Listen at a moderate volume.

- Using headphones at a high volume can impair your hearing. This product can produce sounds in decibel ranges that may cause hearing loss for a normal person, even for exposure less than a minute. The higher decibel ranges are offered for those that may have already experienced some hearing loss.
- Sound can be deceiving. Over time your hearing 'comfort level' adapts to higher volumes of sound. So after prolonged listening, what sounds 'normal' can actually be loud and harmful to your hearing. To guard against this, set your volume to a safe level before your hearing adapts and leave it there.

To establish a safe volume level:

- Set your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, without distortion.

Listen for reasonable periods of time:

- Prolonged exposure to sound, even at normally 'safe' levels, can also cause hearing loss.
- Be sure to use your equipment reasonably and take appropriate breaks.

Be sure to observe the following guidelines when using your headphones.

- Listen at reasonable volumes for reasonable periods of time.
- Be careful not to adjust the volume as your hearing adapts.
- Do not turn up the volume so high that you can't hear what's around you.
- You should use caution or temporarily discontinue use in potentially hazardous situations. Do not use headphones while operating a motorized vehicle, cycling, skateboarding, etc.; it may create a traffic hazard and is illegal in many areas.

Where the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

Warning

- Never remove the casing of this unit.
- Never lubricate any part of this unit.
- Place this unit on a flat, hard and stable surface.
- Never place this unit on other electrical equipment.
- Only use this unit indoors. Keep this unit away from water, moisture and liquid-filled objects.
- Keep this unit away from direct sunlight, naked flames or heat.

Note

- The type plate is located on the back of the unit.

2 Your FM/DAB radio

Congratulations on your purchase, and welcome to Philips! To fully benefit from the support that Philips offers, register your product at www.philips.com/welcome.

Introduction

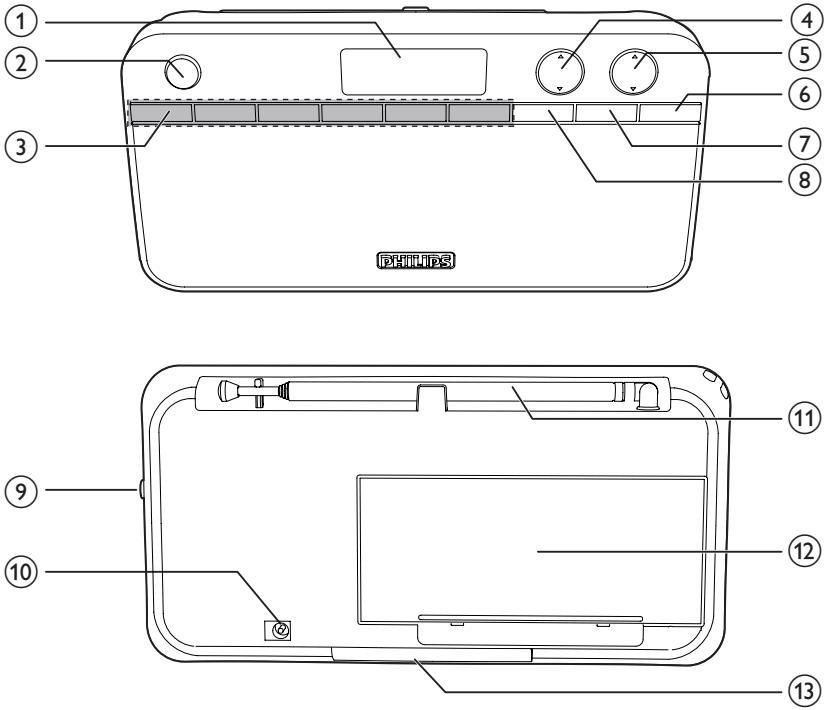
With this unit, you can enjoy both FM radio and Digital Audio Broadcasting (DAB) radio.
Digital Audio Broadcasting (DAB), is a way of broadcasting radio digitally through a network of transmitters. It provides you with more choice, better sound quality and more information.

What's in the box

Check and identify the contents of your package:

- Main unit
- AC adaptor
- User manual

Overview of the main unit



1 **Display panel**
- Display current status.

2 ⏻
- Turn on or off the unit.

3 **1 - 5+**
- Numeric keypads: Set/select a preset radio station.

4 **▲ / ▼ TUNING**
- Tune to a FM station.
- Navigate DAB station list.
- Navigate FM/DAB menu.

5 **▲ / ▼ VOL**
- Adjust volume.

6 **DAB/FM**
- Select DAB or FM radio.

7 **MENU**
- Select DAB menu option.
- Scan DAB radio stations.

8 **SELECT**
- Display DAB station information.
- Confirm DAB station selection.
- Confirm menu selection.

9 🎧
- Jack for the headphone.

10 **DC IN**
- Jack for the AC adaptor(supplied).

11 **FM/DAB antenna**
- Improve FM/DAB reception.

12 **Battery compartment door**

13 **Retractable stand**
- Provide stand support.

Note: the USB connector on the back panel is for software update only, not for play.

3 Get started

Always follow the instructions in this chapter in sequence.
If you contact Philips, you will be asked for the model and serial number of this apparatus. The model number and serial number are on the back of the apparatus. Write the numbers here:
Model No. _____
Serial No. _____

Place the radio

To place the unit on a flat, stable surface, pull out the retractable stand from bottom of the unit at back-side.

Prepare FM/DAB antenna

For optimal reception, fully extend and adjust the position of the FM/DAB antenna.

Tip

- Keep the product away from other electronic devices to avoid radio interference.

Connect power

You can use this radio on AC power or battery power.

Battery Life (Approx. hours)

When using	FM	DAB
alkaline R6 (size AA)	8	8

Option 1: AC power

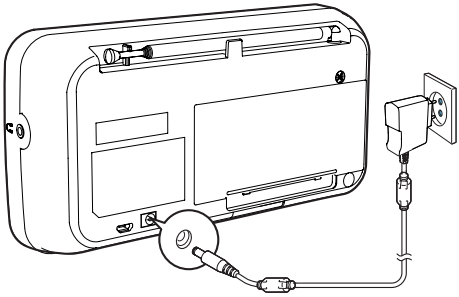
Caution

- Risk of product damage! Ensure that the power supply voltage corresponds to the voltage printed on the back or the underside of the product.
- Risk of electric shock! When you unplug the AC adaptor, always pull the plug from the socket. Never pull the cord.
- Use only the AC adaptor specified by the manufacturer or sold with this unit.

Note

- The type plate is located on the back of the apparatus.

1 Connect one end of the AC adaptor to the **DC IN** socket on the main unit.



2 Connect the other end of the AC adaptor to the wall outlet.

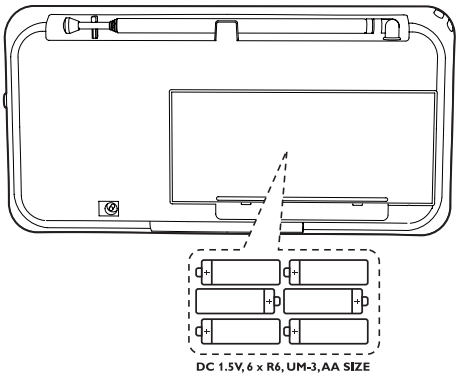
Option 2: Battery power

Caution

- Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.
- Danger of explosion if battery is incorrectly replaced. Replace only with the same equivalent type.
- Do not mix batteries (old and new or carbon and alkaline, etc.).
- Remove batteries if they are exhausted or if the unit is not to be used for a long time.

1 Open the battery compartment at the back of the unit.

2 Insert 6 R6/UM-3/AA size batteries (not supplied) with correct polarity (+/-) as indicated, then close the battery compartment.



3 The unit is ready to operate.

Tip

- „Battery low" message is shown when the battery power is low. Change batteries to ensure normal operation.

Note

- Batteries contain chemical substances, so they should be disposed of properly.

Turn on

Press ⏻.

↳ The unit switches to the last selected source.

To turn off the unit:

↳ Press ⏻ again.

Adjust the volume level

During play, press ▲ / ▼ VOL to increase/ decrease the volume level.

4 Listen to FM radio

Tune to FM radio

1 Press **DAB/FM** repeatedly to select FM radio.
2 Press ▲ / ▼ **TUNING** to tune to a radio station.

Search FM radio stations

1 Tune to FM radio.
2 Press and hold ▲ / ▼ **TUNING** for more than two seconds to start searching stations.
   ↳ The FM tuner tunes to a station with strong reception automatically.
3 Repeat step 2 if necessary until you find the desired station.

Store FM stations manually

You can program a maximum of 10 preset FM radio stations.

1 Tune to your desired FM station.
2 To preset number 1 - 5, press and hold the numeric keypad 1 - 5 for two seconds;
   To select the preset number 6 - 10, press and hold the numeric keypads 5+ simultaneously with other keypad (e.g. 5+ with 1 for 6; 5+ with 5 for 10) for two seconds.
   ↳ The preset number of the saved station appears.

Note

- To overwrite a preset station, store another station in its place.

Select a preset FM radio station

1 Press **DAB/FM** repeatedly to select FM radio.
2 Press numeric keypads to select a preset number.

Note

- If you want to select a preset number 6-10, press and hold 5+ and then press corresponding number key.(For example, if you want to select 6, press and hold 5+ and then press 1.)

Use FM menu

1 In FM mode, press **MENU** to enter the FM menu.
2 Press ▲ / ▼ **TUNING** to scroll the menu options:
   - **[Audio setting]**
   - **[System]**
3 To select an option, press **SELECT**.
4 Repeat step 2-3 if sub-option is available under one option.

[Audio setting]
This function enables you to select mono or stereo

- **[Forced mono]** Select mono broadcast.
- **[Stereo allowed]** Select stereo broadcast.

[System]

- **[Factory reset]** Resets all the settings of this radio to factory default.
- **[SW version]** Software version of the radio is shown.
- **[Software upgrade]** Upgrade software.

Software update for your radio may be available in future.
Visit Philips website constantly to check if the updating information is provided.

Note

- If no button is pressed within 15 seconds, the menu exits.

5 Listen to DAB radio

Tune to DAB radio

When you enter the DAB mode for the first time, the radio automatically scans DAB radio stations. Then station list is retained in memory so the next time the radio is switched on, the station scan does not take place.

1 Press **DAB/FM** repeatedly to select DAB radio.
   ↳ A bar graph indicates the progress of the search and the number of stations found increase as the scan progresses.

Progress bar

Number of Stations found

Ⓐ When scan is completed, the stations are listed in numerical then alphabetic order.
   ↳ First available station is broadcast.

Ⓑ If there is no DAB coverage currently available
   ↳ **[No DAB Station]** is displayed.

   ① **Change the location or adjust antenna.**

   ② **Press SELECT to scan again.**

Change DAB station

1 Tune to a DAB station.
2 Use ▲ / ▼ **TUNING** to navigate through available stations.
3 Press **SELECT** to choose a station.

Scan DAB radio stations

When playing a DAB station, or the current station is not available, press and hold **MENU** for more than two seconds.
↳ The radio scans all available DAB radio stations and broadcasts the current station.

Tip

- New stations and services will be added in the DAB broadcast. To make new DAB stations and services available on your radio, do scan on a regular base.

Display station information

1 Tune to a DAB radio station.
2 Press **SELECT** repeatedly to scroll through the following information (if available):
   ↳ Dynamic label segment (DLS)
   ↳ Signal strength
   ↳ Program type (PTY)
   ↳ Ensemble Name
   ↳ Channel and frequency
   ↳ Signal error rate
   ↳ Bit rate and audio status
   ↳ Time
   ↳ Date

Store DAB stations manually

You can store a maximum of 10 preset DAB radio stations.

1. Tune to your desired DAB station.
2. To preset number 1 - 5, press and hold the numeric keypad 1 - 5 for two seconds;
   To select the preset number 6 - 10, press and hold the numeric keypads 5+ simultaneously with other keypad (e.g. 5+ with 1 for 6; 5+ with 5 for 10) for two seconds.
   ↳ The preset number of the saved station appears.

Note

- To overwrite a preset station, store another station in its place.

Select a preset DAB radio station

1. Press **DAB/FM** repeatedly to select DAB radio.
2. Press numeric keypads to select a preset number.

Note

- If you want to select a preset number 6-10, press and hold 5+ and then press corresponding number key.(For example, if you want to select 6, press and hold 5+ and then press 1.)

Use DAB menu

1. In DAB mode, press **MENU** to enter the DAB menu.
2. Press ▲ / ▼ **TUNING** to scroll the menu options:
   - **[Station list]**
   - **[Full scan]**
   - **[Manual tune]**
   - **[DRC]** (dynamic range control)
   - **[System]**
3. To select an option, press **SELECT**.
4. Repeat step 2-3 if sub-option is available under one option.

[Full scan]
Full scan is used to perform a wide range of DAB radio search (outside UK).

Note

- If no button is pressed within 15 seconds, the menu exits.

[Manual tune]
It is possible to manually tune to a specific channel/frequency and add this to the station list.
This function can be used to obtain the optimum reception for a specific channel/ frequency, taking into account the position of the aerial.

↳ A rectangle will be displayed on first line of the display. The position of this rectangle indicates the signal strength (the further towards the right, the greater the signal strength).

↳ The second line of the display shows the selected channel and its frequency. The first line of the display shows a rectangle.

Tip

- Adjust the position of the antenna to obtain the optimum signal strength.

[DRC]

Dynamic range control (DRC) adds or removes a degree of compensation for the differences in the dynamic range between radio stations.

- **[DRC off]:** DRC is switched off.
- **[DRC high]**: Maximum compensation applied (the default option recommended for noisy environment).
- **[DRC low]**: Medium compensation applied.

[System]

- **[SW version]:** Software version of the radio is shown.
- **[Factory reset]:** Resets all the settings of this radio to factory default.

↳ Press 'SELECT'' to confirm reset.

- **[Software upgrade]:** Upgrade software.

Software update for your radio may be available in future.

Visit Philips website constantly to check if the updating information is provided.

6 Product information

Note

- Product information is subject to change without prior notice.

Tuner (FM)

Tuning Range	87,5 – 108 MHz
Tuning grid	50 kHz

Tuner (DAB)

Tuning Range	174.928MHz - 239.200MHz (Band III)

General information

AC/DC adaptor	
- Brand name	PHILIPS
- Model	OH-1048A0750500U2-VDE OH-1048A0750500U2-UK
- Input	100-240V~ 50/60Hz 250mA
- Output	7.5V ⎓ 500mA
Operation Power Consumption	5W
Standby Power Consumption	<1W
Power output	0.3W (10% THD)
Battery power input	AA x 6
Headphone output power	12mW x 2 (32 ohm)
Dimensions - Main Unit (W x H x D)	200 x 104 x 45 mm
Weight - Main Unit	0.39 kg

7 Notice

Any changes or modifications made to this device that are not expressly approved by WOOX Innovations may void the user's authority to operate the equipment.

CE

This product complies with the radio interference requirements of the European Community.

Disposal of your old product
Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.

This symbol on a product means that the product is covered by European Directive 2012/19/EU. Inform yourself about the local separate collection system for electrical and electronic products. Follow local rules and never dispose of the product with normal household waste. Correct disposal of old products helps prevent negative consequences for the environment and human health.

Environmental information
All unnecessary packaging has been omitted. We have tried to make the packaging easy to separate into three materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet.)
Your system consists of materials which can be recycled and reused if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment..

8 Troubleshooting

Warning

- Never remove the casing of this apparatus.

To keep the warranty valid, never try to repair the system yourself.
If you encounter problems when using this apparatus, check the following points before requesting service. If the problem remains unsolved, go to the Philips web site www.philips.com/support. When you contact Philips, ensure that the apparatus is nearby and the model number and serial number are available.

No power

- Ensure that the AC power plug of the unit is connected properly.
- Ensure that there is power at the AC outlet.
- Insert the batteries with their polarities (+/– signs) aligned as indicated.
- Replace the battery.

No sound

- Adjust the volume.

Poor radio reception

- Increase the distance between the product and other electrical appliances.
- Fully extend the antenna.

9 About DAB

About Digital Audio Broadcasting (DAB)
DAB digital radio is a new way of broadcasting radio via a network of terrestrial transmitters. It provides listeners with more choice and information delivered in crystal clear, crackle-free sound quality.
– The technology allows the receiver to lock on to the strongest signal it can find.
– With DAB digital stations there are no frequencies to remember, and sets are tuned by station name, so there's no returning on the move.

What is a multiplex?
Digital radio operation is made up of a single block of frequencies called a multiplex. Each multiplex works within a frequency spectrum, such as Band III for DAB broadcasts.
DAB BROADCASTERS AND DLS
Each DAB broadcaster (or multiplex operator) also provides text and audio data services. Some programmes are supported by Dynamic Label Segments (DLS). This is data which you can read as scrolling text on your DAB radio display. Some stations transmit the latest news, travel, and weather, what's on now and next, website addresses and phone numbers.
For more information on digital radio coverage and services, please visit: www.drdb.org.

2014 © WOOX Innovations Limited. All rights reserved.
Philips and the Philips' Shield Emblem are registered trademarks of Koninklijke Philips N.V.
and are used by WOOX Innovations Limited under license from Koninklijke Philips N.V

AE5250_12_CCR_V2.0